

5. [AMENDED] An electrostatic comb drive comprising
- a base;
 - a movable element movably connected to the base and configured to move from a first position to a second position relative to the base;
 - a spring disposed between the base and the movable element and configured to provide a potential energy maximum between the first position and the second position;
 - a fixed finger attached to the base, the fixed finger having a first portion proximate to the base and disposed between the base and a second portion of the fixed finger; and
 - a movable finger attached to the movable element, the movable finger having a third portion proximate to the movable element and disposed between the movable element and a fourth portion of the movable finger, a first capacitance arising between the fixed finger and the movable finger when the second portion is adjacent to the fourth portion and a second capacitance arising between the fixed finger and the movable finger when the second portion is adjacent to the third portion, the first capacitance being greater than the second capacitance wherein the second portion is taller than the first portion and the fourth portion is taller than the third portion.
6. [AMENDED] The electrostatic comb drive of claim 5 wherein the second portion is at least three times as tall as the first portion
19. [AMENDED] An electrostatic comb drive comprising:
- a base;
 - a movable element configured to move from a first position to a second position relative to the base;
 - a fixed finger attached to the base, the fixed finger having a first short portion proximate to the base and a first tall portion distal from the base; and